



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

March 27, 2019

Ms. Doris Chen & Lewis Weinstock
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: EtO Region 5

Dear Ms. Doris Chen & Lewis Weinstock,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/11/19 10:58 through 03/21/19 10:43.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Trip Blank	9031131-01	Air	03/08/19 00:00	03/11/19 10:58
Willow Pond Park	9031131-02	Air	03/08/19 10:27	03/11/19 10:58
WB Warehouse C1	9031131-03	Air	03/08/19 10:04	03/11/19 10:58
WB Warehouse C2	9031131-04	Air	03/08/19 10:04	03/11/19 10:58
Water Tower	9031131-05	Air	03/08/19 10:21	03/11/19 10:58
WB Village Hall	9031131-06	Air	03/08/19 10:09	03/11/19 10:58
Gower ES	9031131-07	Air	03/08/19 10:45	03/11/19 10:58
Hinsdale South HS	9031131-08	Air	03/08/19 10:38	03/11/19 10:58
Gower MS	9031131-09	Air	03/08/19 10:16	03/11/19 10:58
West Neighborhood	9031131-10	Air	03/08/19 10:51	03/11/19 10:58
Hinsdale South HS	9031220-01	Air	03/11/19 09:56	03/12/19 10:42
WB Village Hall C1	9031220-02	Air	03/11/19 09:12	03/12/19 10:42
WB Village Hall C2	9031220-03	Air	03/11/19 09:12	03/12/19 10:42
Water Tower	9031220-04	Air	03/11/19 09:28	03/12/19 10:42
Gower ES	9031220-05	Air	03/11/19 10:05	03/12/19 10:42
West Neighborhood	9031220-06	Air	03/11/19 10:11	03/12/19 10:42
Willow Pond Park	9031220-07	Air	03/11/19 09:36	03/12/19 10:42
WB Warehouse	9031220-08	Air	03/11/19 09:07	03/12/19 10:42
Gower MS	9031220-09	Air	03/11/19 09:22	03/12/19 10:42
West Neighborhood	9031501-01	Air	03/14/19 10:59	03/15/19 10:04
Gower ES	9031501-02	Air	03/14/19 10:55	03/15/19 10:04
Gower MS	9031501-03	Air	03/14/19 10:29	03/15/19 10:04
WB Warehouse C1	9031501-04	Air	03/14/19 10:20	03/15/19 10:04

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AQS SITE CODE:

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WB Warehouse C2	9031501-05	Air	03/14/19 10:20	03/15/19 10:04
Water Tower	9031501-06	Air	03/14/19 10:34	03/15/19 10:04
Hinsdale South HS	9031501-07	Air	03/14/19 10:49	03/15/19 10:04
WB Village Hall	9031501-08	Air	03/14/19 10:24	03/15/19 10:04
Willow Pond Park	9031501-09	Air	03/14/19 10:45	03/15/19 10:04
West Neighborhood	9032106-01	Air	03/20/19 11:07	03/21/19 10:43
Water Tower	9032106-02	Air	03/20/19 10:12	03/21/19 10:43
Gower ES	9032106-04	Air	03/20/19 10:51	03/21/19 10:43
Willow Pond Park	9032106-05	Air	03/20/19 10:18	03/21/19 10:43
Hindale South HS	9032106-06	Air	03/20/19 10:38	03/21/19 10:43
WB Warehouse	9032106-07	Air	03/20/19 09:54	03/21/19 10:43
WB Village Hall C1	9032106-08	Air	03/20/19 09:58	03/21/19 10:43
WB Village Hall C2	9032106-09	Air	03/20/19 09:58	03/21/19 10:43
Gower MS	9032106-10	Air	03/20/19 10:05	03/21/19 10:43



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Trip Blank

Lab ID: 9031131-01

Sampled: 03/08/19 00:00

Pressure @ Receipt: 30" Hg

Canister #: SAT141

Received: 03/11/19 10:58

Comments: Trip Blank

Analyzed: 03/18/19 19:21

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9031131-02

Sampled: 03/08/19 10:27

Pressure @ Receipt: 5.50" Hg

Canister #: 5103

Received: 03/11/19 10:58

Comments: Probe # 10294 Start 11:02 3/7/19

Analyzed: 03/12/19 16:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0677	0.12		0.0614

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C1

Lab ID: 9031131-03

Sampled: 03/08/19 10:04

Pressure @ Receipt: 2.50" Hg

Canister #: SAT086

Received: 03/11/19 10:58

Comments: Col 1 Probe #10314 Start 10:13 3/7/19

Analyzed: 03/12/19 17:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0531	0.10	U	0.0614

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REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C2

Lab ID: 9031131-04

Sampled: 03/08/19 10:04

Pressure @ Receipt: 5.00" Hg

Canister #: 077

Received: 03/11/19 10:58

Comments: Col 2 Probe #10315 Start 10:14 3/7/19

Analyzed: 03/12/19 18:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0468	0.08	U	0.0614

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9031131-05

Sampled: 03/08/19 10:21

Pressure @ Receipt: 3.00" Hg

Canister #: A21094

Received: 03/11/19 10:58

Comments: Probe # 10312 Start 10:49 3/7/19

Analyzed: 03/12/19 21:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0912	0.17		0.0614

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REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall

Lab ID: 9031131-06

Sampled: 03/08/19 10:09

Pressure @ Receipt: 2.00" Hg

Canister #: A22244

Received: 03/11/19 10:58

Comments: Probe #10313 Start 10:24 3/7/19

Analyzed: 03/12/19 22:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0548	0.10	U	0.0614

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9031131-07

Sampled: 03/08/19 10:45

Pressure @ Receipt: 7.50" Hg

Canister #: 18834

Received: 03/11/19 10:58

Comments: Probe # 10077 Start 11:35 3/7/19

Analyzed: 03/12/19 23:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hinsdale South HS

Lab ID: 9031131-08

Sampled: 03/08/19 10:38

Pressure @ Receipt: 5.00" Hg

Canister #: 101

Received: 03/11/19 10:58

Comments: Probe 10076 Start 11:23 3/7/19

Analyzed: 03/13/19 00:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0614

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9031131-09

Sampled: 03/08/19 10:16

Pressure @ Receipt: 4.50" Hg

Canister #: 161

Received: 03/11/19 10:58

Comments: Probe #10311 Start 10:37 3/7/19

Analyzed: 03/13/19 01:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0512	0.09	U	0.0614



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9031131-10

Sampled: 03/08/19 10:51

Pressure @ Receipt: 4.00" Hg

Canister #: A21001

Received: 03/11/19 10:58

Comments: Probe # 10310 Start 11:47 3/7/19

Analyzed: 03/13/19 02:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0621	0.11		0.0614



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hinsdale South HS

Lab ID: 9031220-01

Sampled: 03/11/19 09:56

Pressure @ Receipt: 4.00" Hg

Canister #: 629

Received: 03/12/19 10:42

Comments: Probe 10076 Start 10:25 3/10/19

Analyzed: 03/13/19 14:16

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0563	0.10		0.0366

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REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C1

Lab ID: 9031220-02

Sampled: 03/11/19 09:12

Pressure @ Receipt: 3.50" Hg

Canister #: 5019

Received: 03/12/19 10:42

Comments: Col 1 Probe #10313 Start 9:40 3/10/19 Pressure Dif >3 inches

Analyzed: 03/13/19 15:17

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.131	0.24		0.0366

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REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C2

Lab ID: 9031220-03

Sampled: 03/11/19 09:12

Pressure @ Receipt: 5.00" Hg

Canister #: A22304

Received: 03/12/19 10:42

Comments: Col 2 Probe # 10315 Start 9:40 3/10/19

Analyzed: 03/13/19 17:20

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.113	0.20		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9031220-04

Sampled: 03/11/19 09:28

Pressure @ Receipt: 7.50" Hg

Canister #: 711

Received: 03/12/19 10:42

Comments: Probe # 10312 Start 10:02 3/10/19

Analyzed: 03/13/19 19:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0447	0.08		0.0366

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9031220-05

Sampled: 03/11/19 10:05

Pressure @ Receipt: 7.00" Hg

Canister #: 061

Received: 03/12/19 10:42

Comments: Probe # 10077 Start 10:37 3/10/19

Analyzed: 03/13/19 20:25

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0539	0.10		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9031220-06

Sampled: 03/11/19 10:11

Pressure @ Receipt: 4.00" Hg

Canister #: SAT029

Received: 03/12/19 10:42

Comments: Probe # 10310 Start 10:46 3/10/19

Analyzed: 03/13/19 21:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.111	0.20		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9031220-07

Sampled: 03/11/19 09:36

Pressure @ Receipt: 4.50" Hg

Canister #: SAT088

Received: 03/12/19 10:42

Comments: Probe # 10294 Start 10:14 3/10/19

Analyzed: 03/13/19 22:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.135	0.24		0.0366

Eastern Research Group

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CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse

Lab ID: 9031220-08

Sampled: 03/11/19 09:07

Pressure @ Receipt: 3.50" Hg

Canister #: 171

Received: 03/12/19 10:42

Comments: Probe #10314 Start 9:31 3/10/19

Analyzed: 03/13/19 23:29

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0417	0.08		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9031220-09

Sampled: 03/11/19 09:22

Pressure @ Receipt: 3.50" Hg

Canister #: A21119

Received: 03/12/19 10:42

Comments: Probe #10311 Start 10:51 3/10/19

Analyzed: 03/14/19 00:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0944	0.17		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9031501-01

Sampled: 03/14/19 10:59

Pressure @ Receipt: 5.00" Hg

Canister #: SAT150

Received: 03/15/19 10:04

Comments: Probe # 10310 Start 11:22 3/13/19

Analyzed: 03/18/19 20:23

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.108	0.20		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9031501-02

Sampled: 03/14/19 10:55

Pressure @ Receipt: 8.50" Hg

Canister #: A21067

Received: 03/15/19 10:04

Comments: Probe # 10077 Start 11:11 3/13/19

Analyzed: 03/18/19 21:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.218	0.39		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9031501-03

Sampled: 03/14/19 10:29

Pressure @ Receipt: 5.50" Hg

Canister #: SAT173

Received: 03/15/19 10:04

Comments: Probe #10311 Start 10:26 3/13/19

Analyzed: 03/18/19 22:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.136	0.25		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C1

Lab ID: 9031501-04

Sampled: 03/14/19 10:20

Pressure @ Receipt: 4.00" Hg

Canister #: 18869

Received: 03/15/19 10:04

Comments: Col 1 Probe #10314 Start 10:06 3/13/19

Analyzed: 03/18/19 23:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0676	0.12		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse C2

Lab ID: 9031501-05

Sampled: 03/14/19 10:20

Pressure @ Receipt: 6.50" Hg

Canister #: SAT107

Received: 03/15/19 10:04

Comments: Col 2 Probe #10315 Start 10:06 3/13/19

Analyzed: 03/19/19 01:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.133	0.24		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9031501-06

Sampled: 03/14/19 10:34

Pressure @ Receipt: 5.00" Hg

Canister #: SAT077

Received: 03/15/19 10:04

Comments: Probe # 10312 Start 10:38 3/13/19

Analyzed: 03/19/19 03:35

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.121	0.22		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hinsdale South HS

Lab ID: 9031501-07

Sampled: 03/14/19 10:49

Pressure @ Receipt: 6.50" Hg

Canister #: 19647

Received: 03/15/19 10:04

Comments: Probe 10076 Start 11:00 3/13/19

Analyzed: 03/19/19 04:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0770	0.14		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall

Lab ID: 9031501-08

Sampled: 03/14/19 10:24

Pressure @ Receipt: 4.50" Hg

Canister #: 5013

Received: 03/15/19 10:04

Comments: Probe #10313 Start 10:14 3/13/19

Analyzed: 03/19/19 05:38

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.113	0.20		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9031501-09

Sampled: 03/14/19 10:45

Pressure @ Receipt: 6.00" Hg

Canister #: 19654

Received: 03/15/19 10:04

Comments: Probe # 10294 Start 10:48 3/13/19

Analyzed: 03/19/19 06:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0813	0.15		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 9032106-01

Sampled: 03/20/19 11:07

Pressure @ Receipt: 4.50" Hg

Canister #: 19649

Received: 03/21/19 10:43

Comments: Probe # 10310 Start 12:03 3/19/19

Analyzed: 03/21/19 18:45

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0207	0.04	LK, U	0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Water Tower

Lab ID: 9032106-02

Sampled: 03/20/19 10:12

Pressure @ Receipt: 4.50" Hg

Canister #: 18877

Received: 03/21/19 10:43

Comments: Probe # 10312 Start 10:50 3/19/19

Analyzed: 03/21/19 19:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0439	0.08	LK	0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower ES

Lab ID: 9032106-04

Sampled: 03/20/19 10:51

Pressure @ Receipt: 8.00" Hg

Canister #: A21084

Received: 03/21/19 10:43

Comments: Probe # 10077 Start 11:50 3/19/19

Analyzed: 03/21/19 20:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.119	0.22		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Willow Pond Park

Lab ID: 9032106-05

Sampled: 03/20/19 10:18

Pressure @ Receipt: 6.00" Hg

Canister #: 3256

Received: 03/21/19 10:43

Comments: Probe # 10294 Start 11:07 3/19/19

Analyzed: 03/21/19 21:52

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.114	0.21	LK	0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hindale South HS

Lab ID: 9032106-06

Sampled: 03/20/19 10:38

Pressure @ Receipt: 6.00" Hg

Canister #: SAT100

Received: 03/21/19 10:43

Comments: Probe # 10076 Start 11:34 3/19/19

Analyzed: 03/21/19 22:54

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0456	0.08		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Warehouse

Lab ID: 9032106-07

Sampled: 03/20/19 09:54

Pressure @ Receipt: 3.50" Hg

Canister #: 18874

Received: 03/21/19 10:43

Comments: Probe #10314 Start 9:52 3/19/19

Analyzed: 03/21/19 23:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0311	0.06	LK, U	0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C1

Lab ID: 9032106-08

Sampled: 03/20/19 09:58

Pressure @ Receipt: 4.50" Hg

Canister #: 5043

Received: 03/21/19 10:43

Comments: Col 1 Probe #10313 Start 10:05 3/19/19

Analyzed: 03/22/19 00:59

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0755	0.14		0.0366

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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C2

Lab ID: 9032106-09

Sampled: 03/20/19 09:58

Pressure @ Receipt: 5.50" Hg

Canister #: 19279

Received: 03/21/19 10:43

Comments: Col 2 Probe # 10315 Start 10:05 3/19/19

Analyzed: 03/22/19 03:03

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0501	0.09	LK	0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 9032106-10

Sampled: 03/20/19 10:05

Pressure @ Receipt: 4.50" Hg

Canister #: 18872

Received: 03/21/19 10:43

Comments: Probe #10311 Start 10:29 3/19/19

Analyzed: 03/22/19 05:07

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0451	0.08		0.0366



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FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B9C1210 - Summa Canister Prep

Blank (B9C1210-BLK1)

Prepared: 03/11/19 Analyzed: 03/12/19

Ethylene oxide	ND	ppbv				U
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Duplicate (B9C1210-DUP1)

Source: 9031131-03

Prepared: 03/08/19 Analyzed: 03/12/19

Ethylene oxide	0.0984	ppbv	ND		25	
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Duplicate (B9C1210-DUP2)

Source: 9031131-04

Prepared: 03/08/19 Analyzed: 03/12/19

Ethylene oxide	ND	ppbv	ND		25	U
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Batch B9C1305 - Summa Canister Prep

Blank (B9C1305-BLK1)

Prepared & Analyzed: 03/13/19

Ethylene oxide	ND	ppbv				U
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Duplicate (B9C1305-DUP1)

Source: 9031220-02

Prepared: 03/11/19 Analyzed: 03/13/19

Ethylene oxide	0.118	ppbv	0.13	11.0	25	
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Duplicate (B9C1305-DUP2)

Source: 9031220-03

Prepared: 03/11/19 Analyzed: 03/13/19

Ethylene oxide	0.0969	ppbv	0.11	15.7	25	
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Batch B9C1807 - Summa Canister Prep

Blank (B9C1807-BLK1)

Prepared & Analyzed: 03/18/19

Ethylene oxide	ND	ppbv				U
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Duplicate (B9C1807-DUP1)

Source: 9031501-04

Prepared: 03/14/19 Analyzed: 03/19/19

Ethylene oxide	0.0484	ppbv	0.07	33.1	25	
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Duplicate (B9C1807-DUP2)

Source: 9031501-05

Prepared: 03/14/19 Analyzed: 03/19/19

Ethylene oxide	0.118	ppbv	0.13	12.2	25	
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Batch B9C2104 - Summa Canister Prep

Blank (B9C2104-BLK1)

Prepared & Analyzed: 03/21/19

Ethylene oxide	ND	ppbv				U
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Duplicate (B9C2104-DUP1)

Source: 9032106-08

Prepared: 03/20/19 Analyzed: 03/22/19

Ethylene oxide	0.0749	ppbv	0.08	0.798	25	
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Duplicate (B9C2104-DUP2)

Source: 9032106-09

Prepared: 03/20/19 Analyzed: 03/22/19

Ethylene oxide	ND	ppbv	ND		25	U
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Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Lewis Weinstock

PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1903027

Calibration Check (1903027-CCV1)

Prepared & Analyzed: 03/12/19

Ethylene oxide	1.96	ppbv	-21.4	30.00
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Sequence 1903031

Calibration Check (1903031-CCV1)

Prepared & Analyzed: 03/13/19

Ethylene oxide	2.36	ppbv	-5.8	30.00
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Sequence 1903043

Calibration Check (1903043-CCV1)

Prepared & Analyzed: 03/18/19

Ethylene oxide	2.23	ppbv	-10.8	30.00
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Sequence 1903057

Calibration Check (1903057-CCV1)

Prepared & Analyzed: 03/21/19

Ethylene oxide	2.38	ppbv	-4.8	30.00
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U.S. Environmental Protection Agency - OAQPS
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PHONE: (919) 541-4957 **FAX:** -

FILE #: 0344.00

REPORTED: 03/27/19 12:27

SUBMITTED: 03/11/19 to 03/21/19

AQS SITE CODE:

SITE CODE: EtO Region 5

Notes and Definitions

U	Under Detection Limit
LK	Analyte identified; Reported value may be biased high.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.